

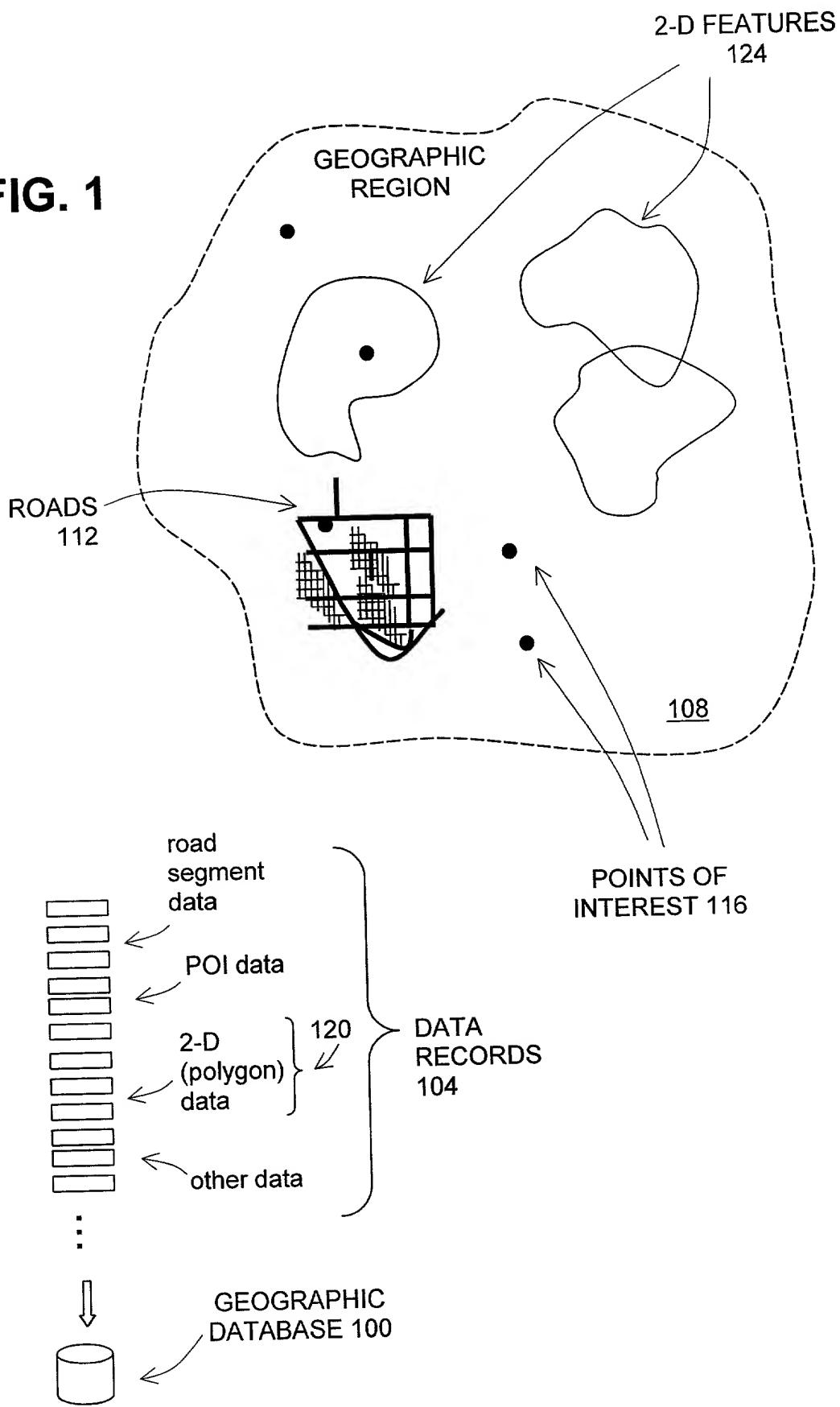
FIG. 1

FIG. 2

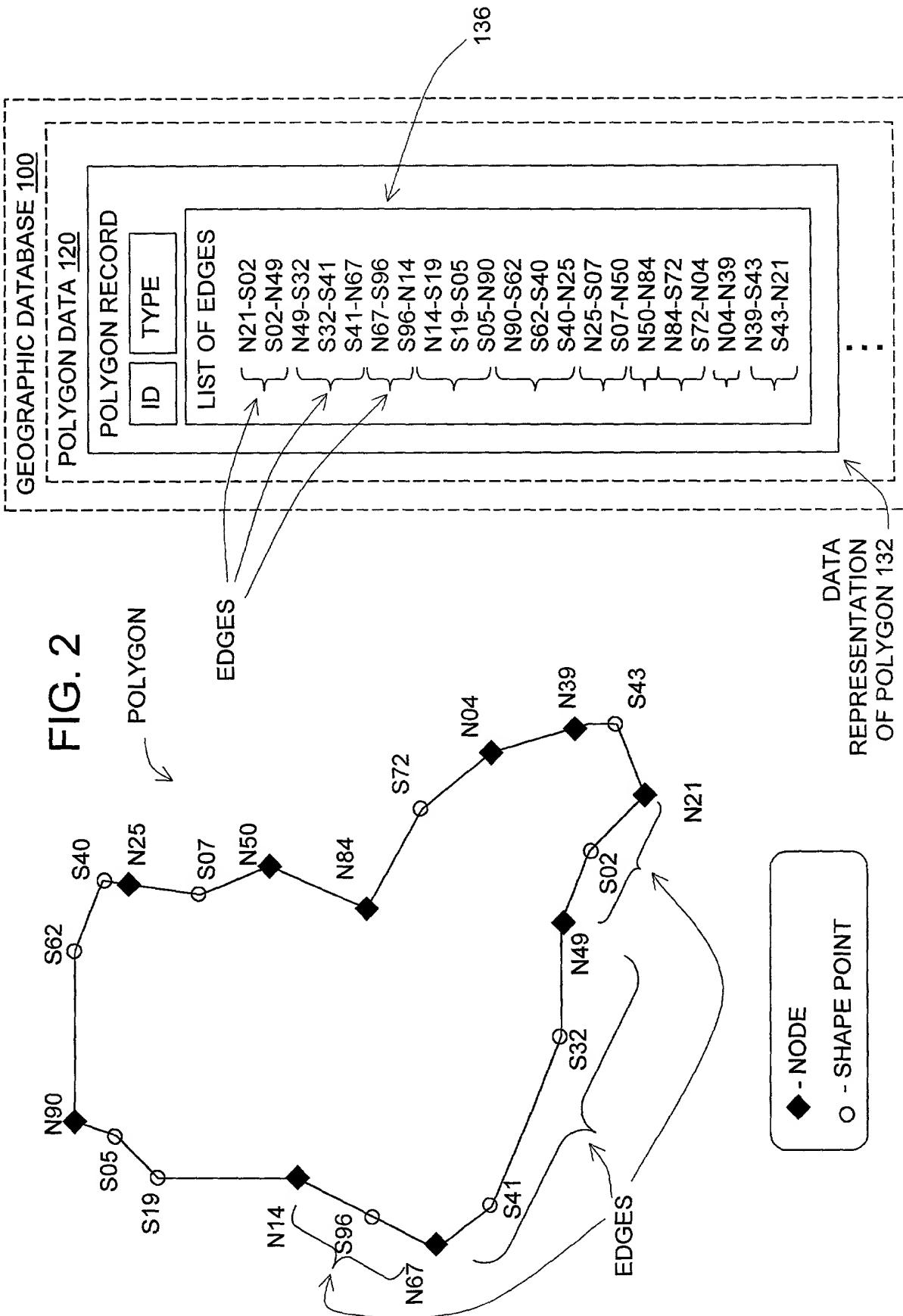


FIG. 3

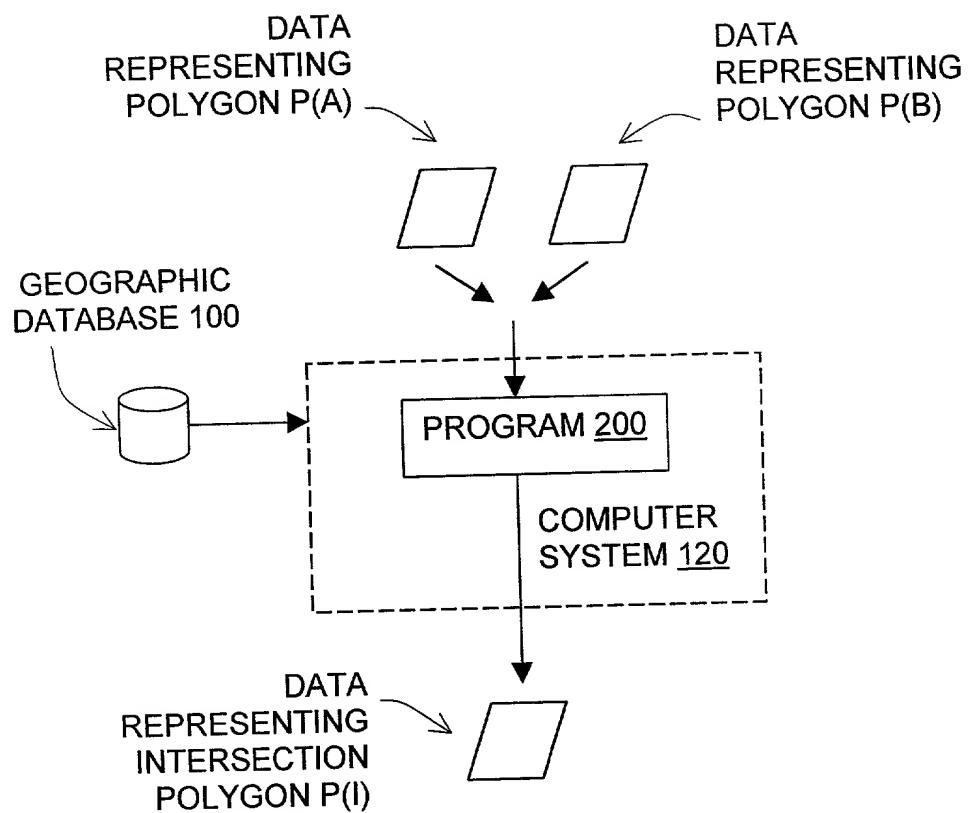


FIG. 4

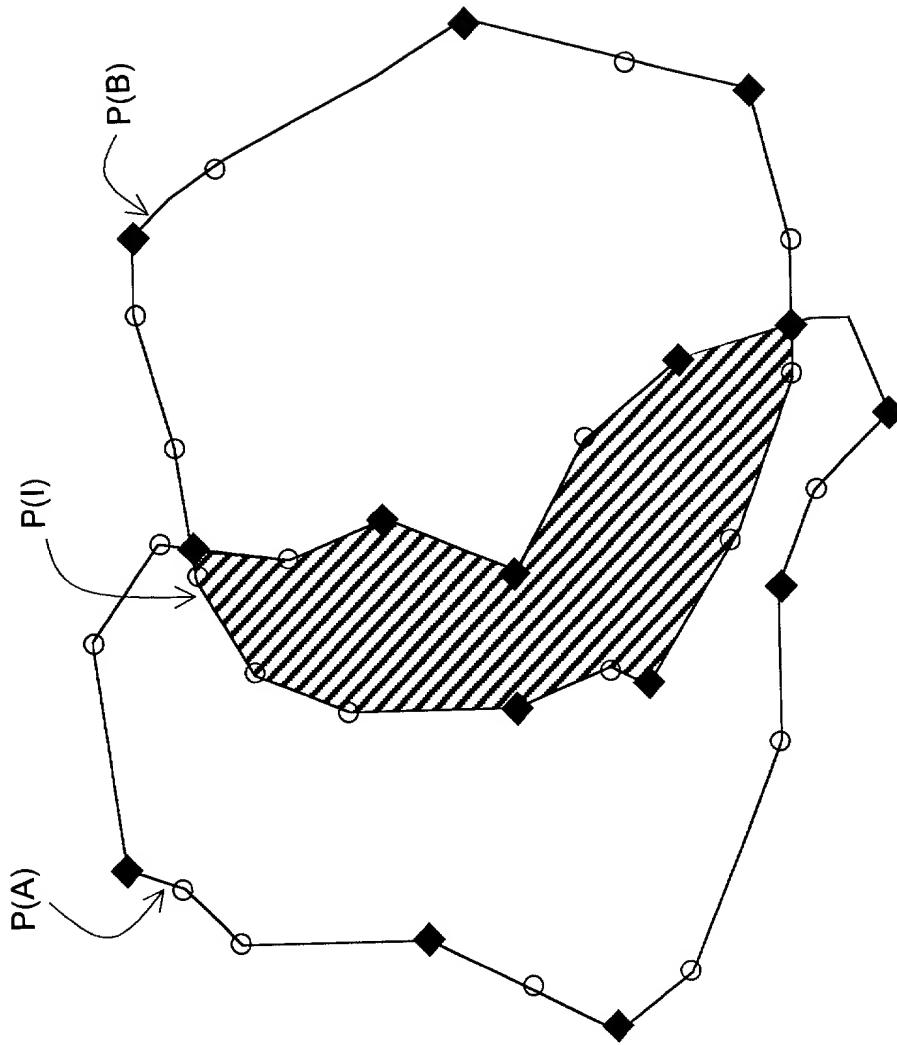
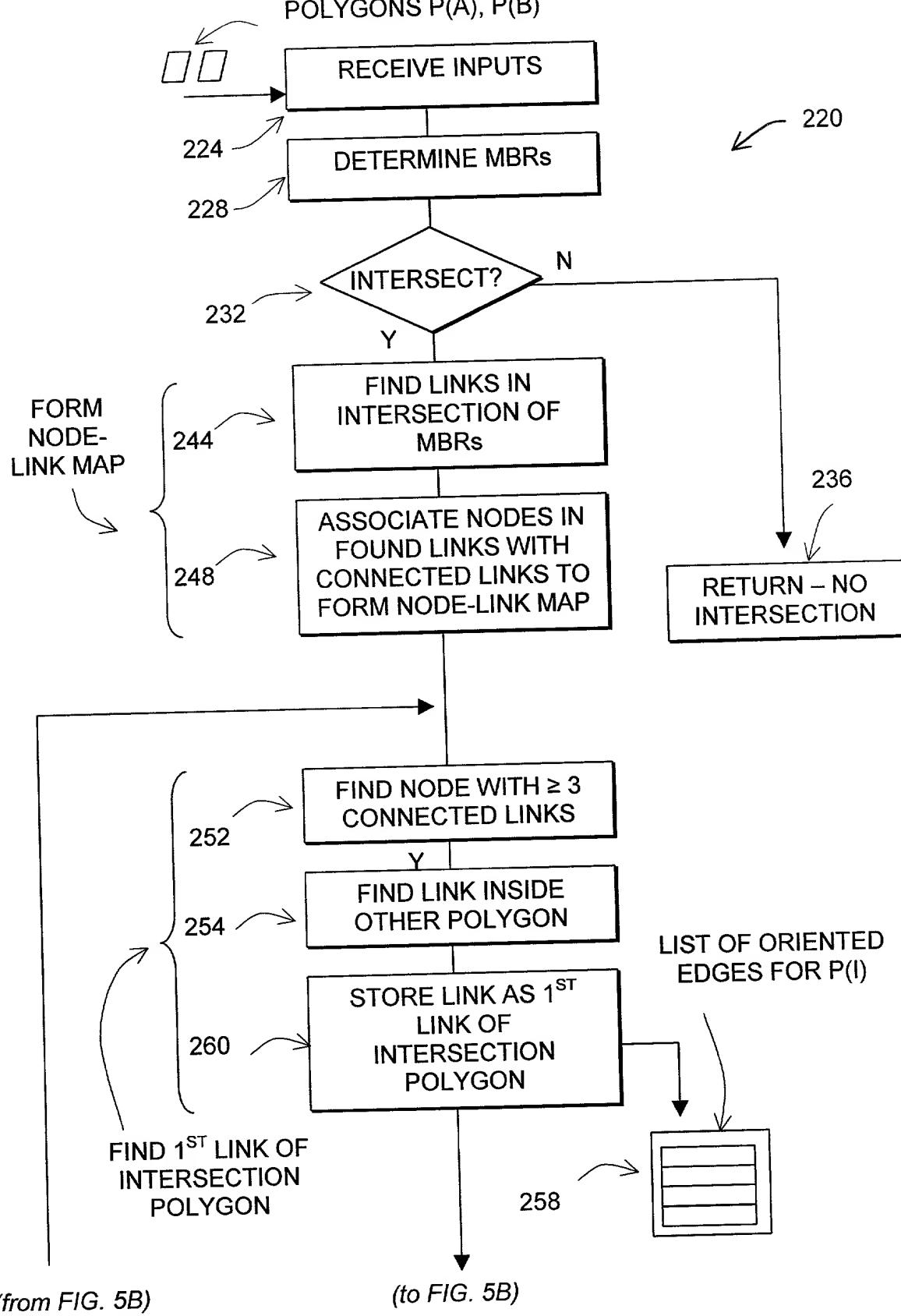


FIG. 5A



(from FIG. 5A)

FIG. 5B

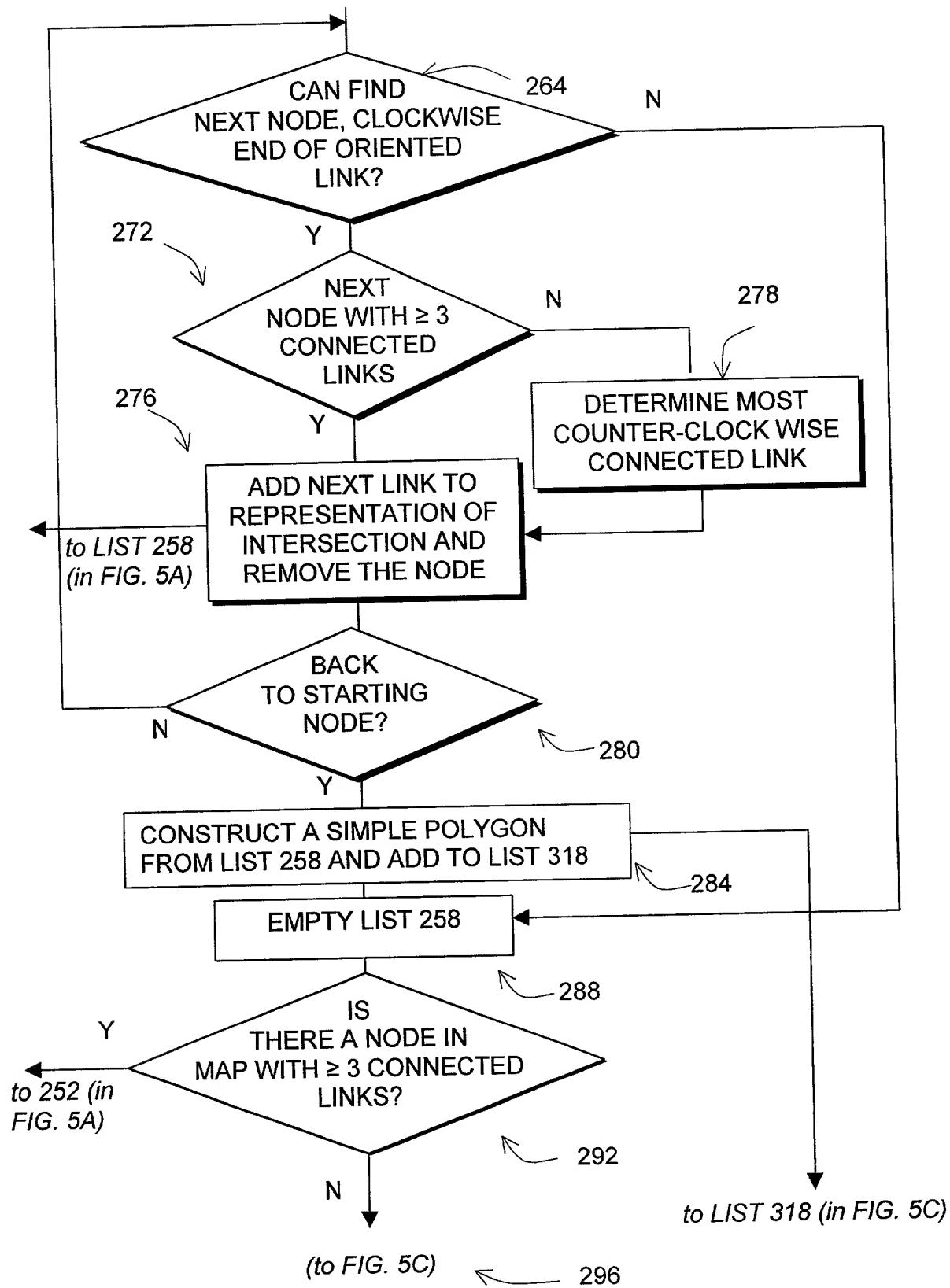


FIG. 5C

(from FIG. 5B)

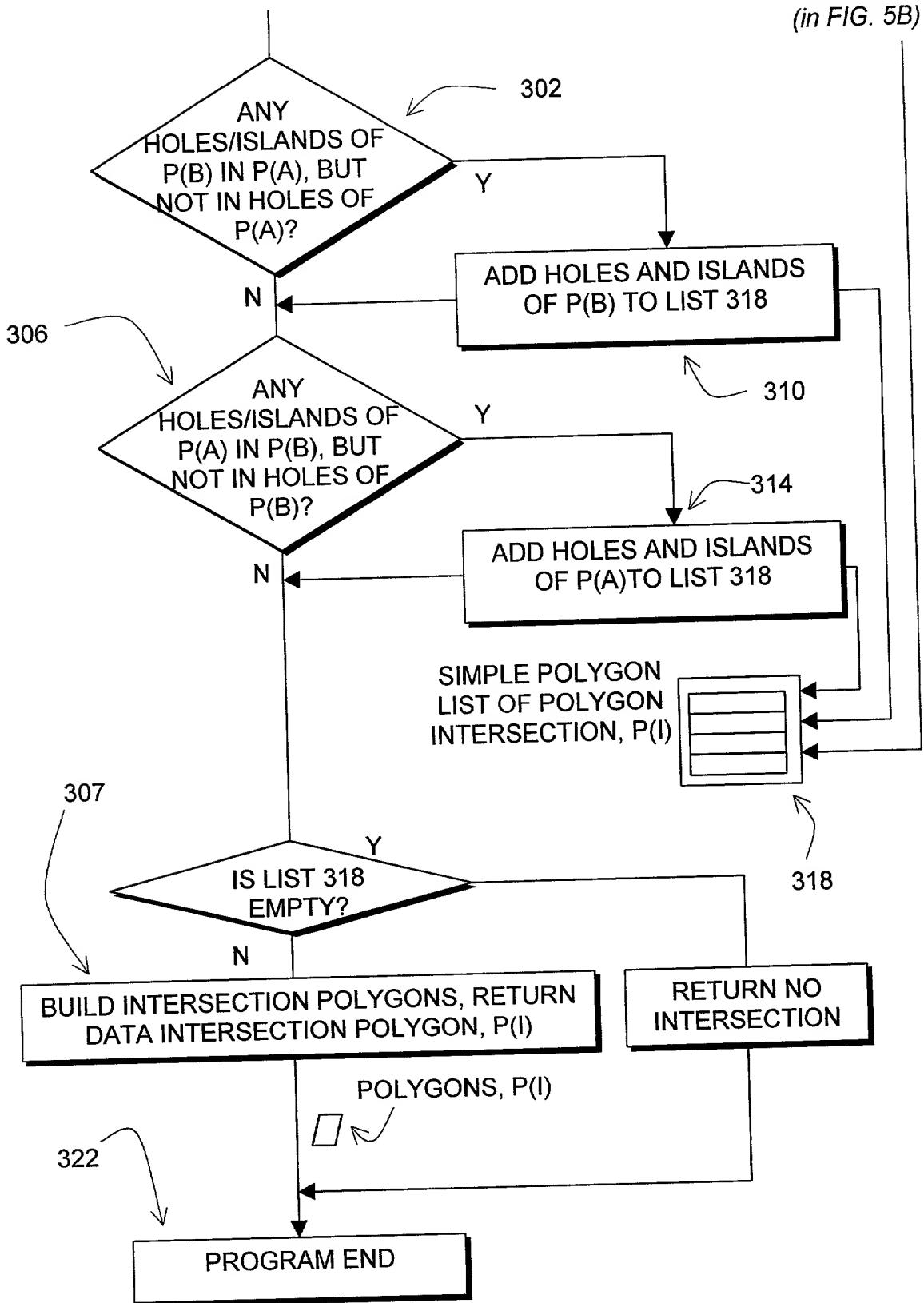
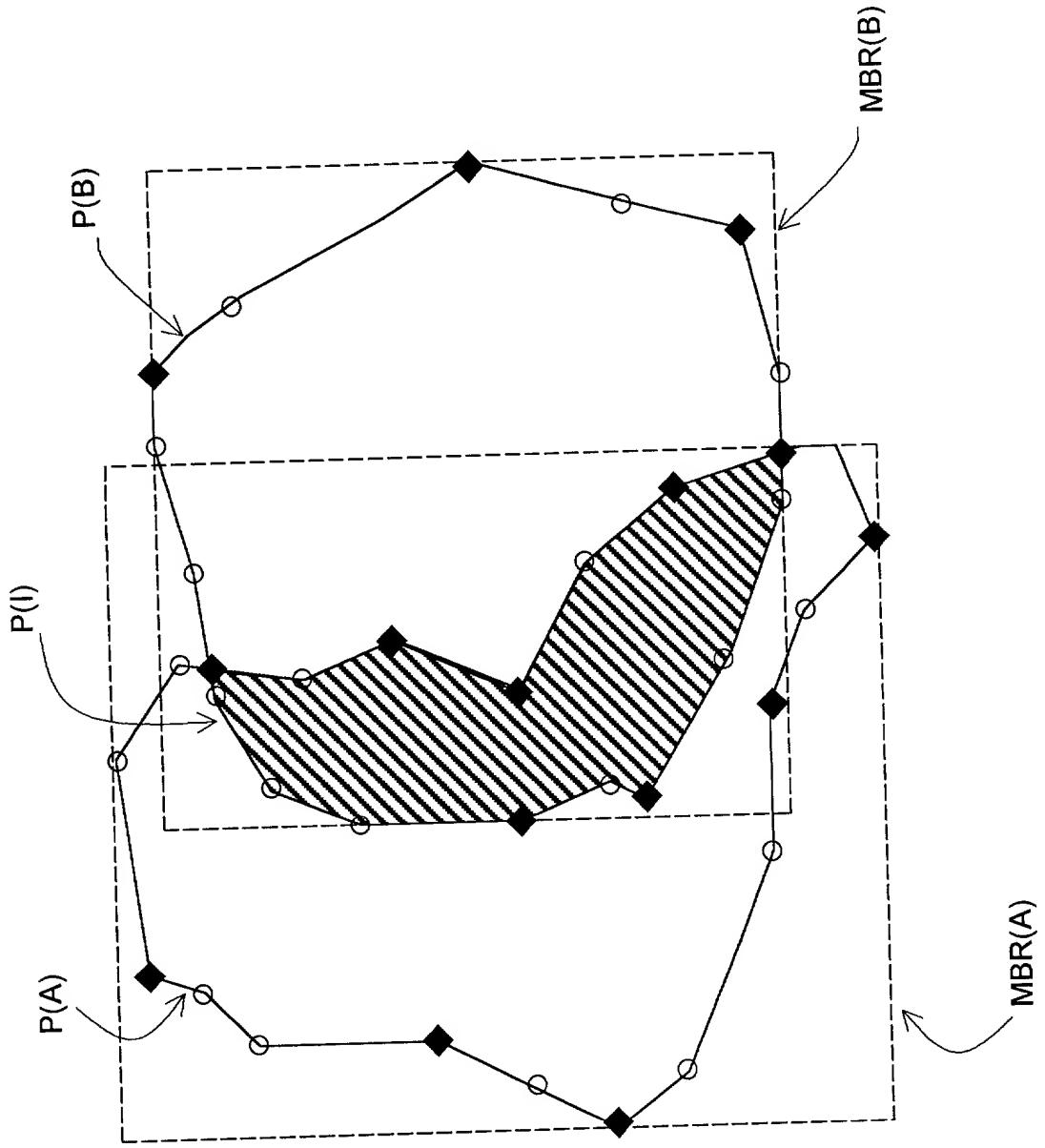
from 284
(in FIG. 5B)

FIG. 6



400

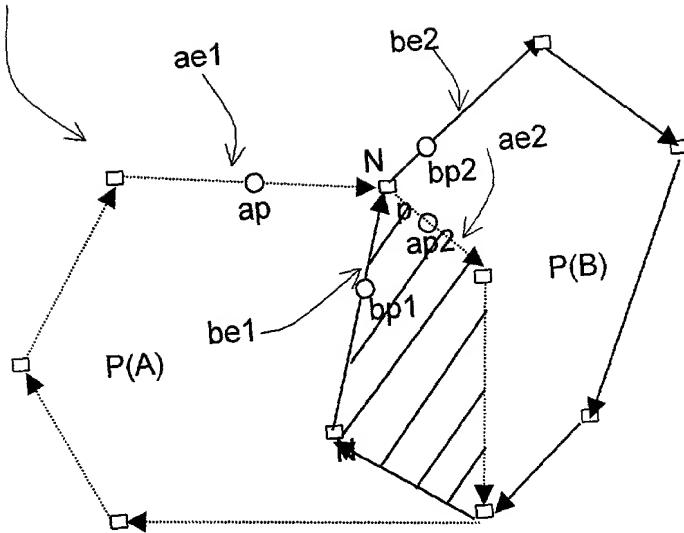


FIG. 7A

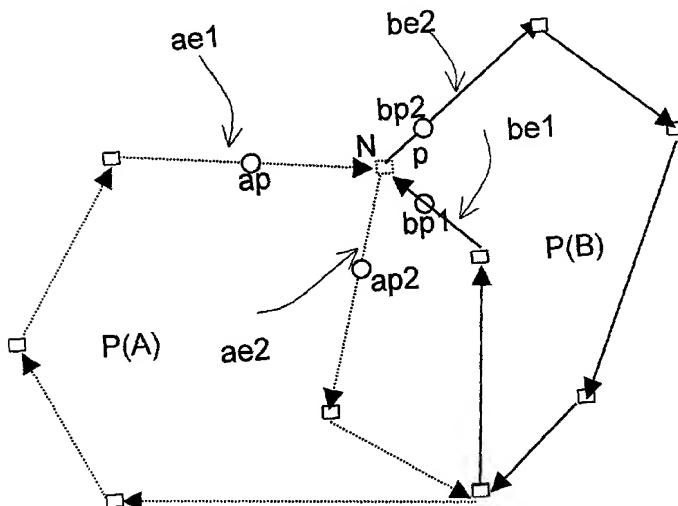
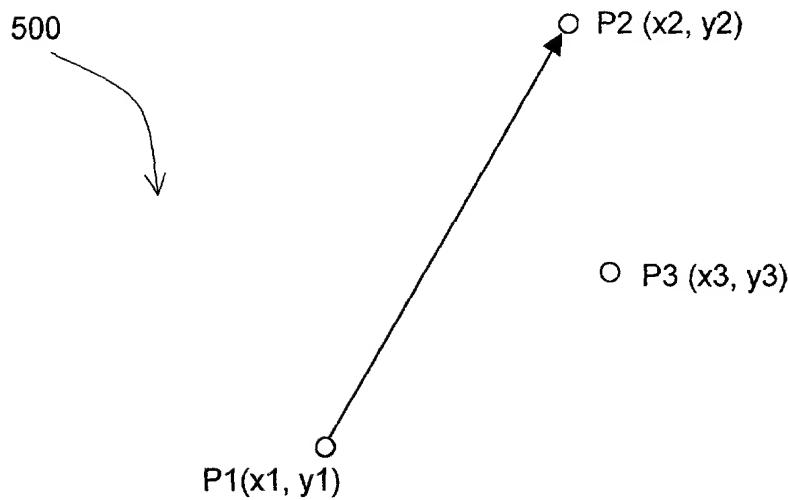


FIG. 7B

FIG. 8

(Test if a point on, on left,
or on right side of a line segment)



To test position of P3 relative to line segment P1P2, let

$$c = (x_1 - x_3) * (y_2 - y_3) - (x_2 - x_3) * (y_1 - y_3)$$

- If $c = 0$, P3 is on line segment P1P2;
- If $c > 0$, P3 is on right side of line segment P1P2;
- If $c < 0$, P3 is on left side of line segment P1P2;

FIG. 9

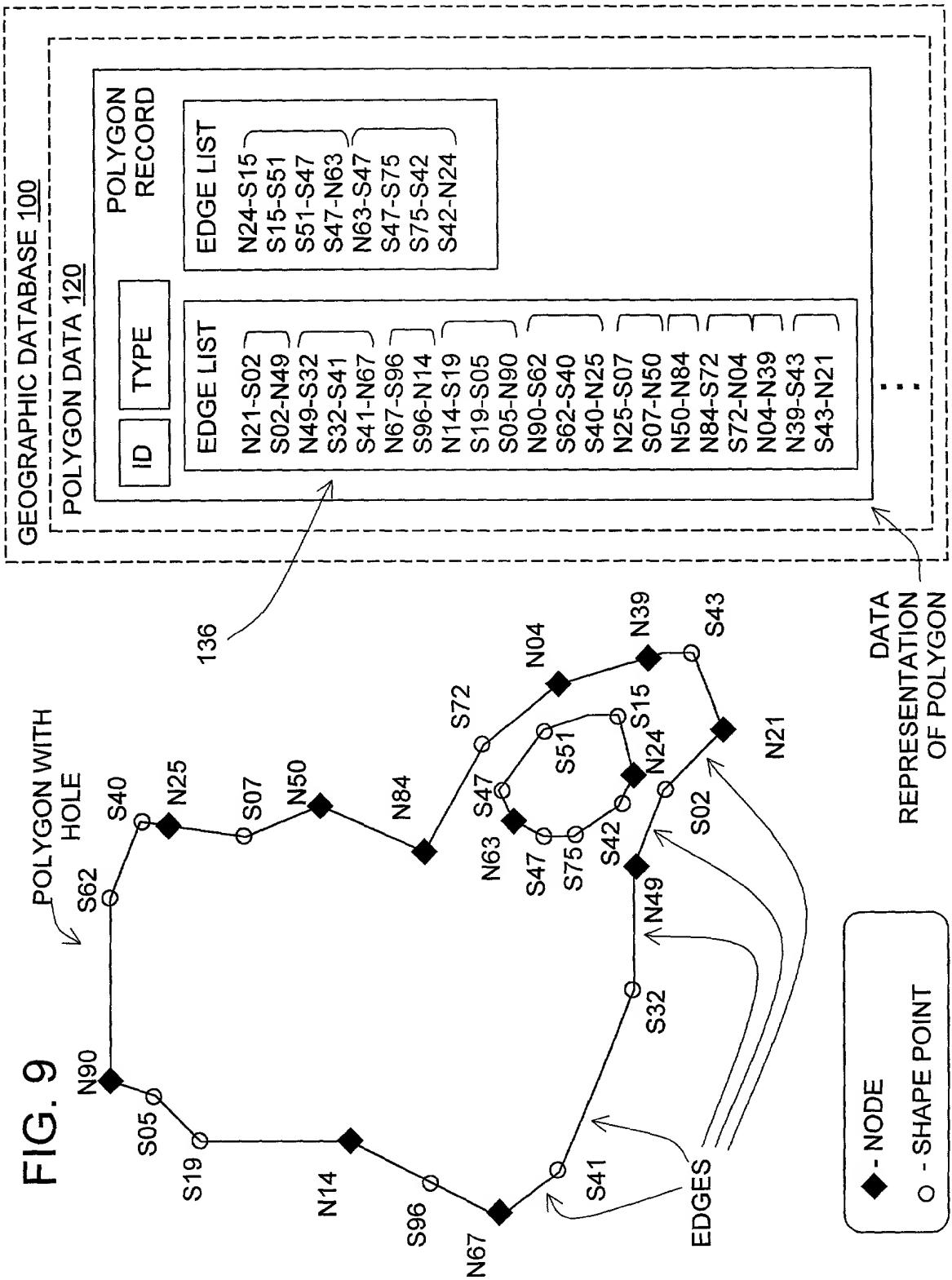


FIG. 10

